

Message Text

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ORIGIN NASA-04

INFO OCT-01 EUR-25 ADP-00 SCI-06 EB-11 NSF-04 DODE-00 PM-07

CIAE-00 INR-10 NSAE-00 RSC-01 /069 R

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DRAFTED BY: NASA/I/LEJONES/CCB:SCI/XAM

APPROVED BY: SCI/SAM:WACHAPIN

CLEARANCES: EB/OA/AVP:CDUDLEY

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R 272123Z AUG 73

FM SECSTATE WASHDC

TO AMEMBASSY LISBON

AMEMBASSY BONN

INFO AMEMBASSY COPENHAGEN

AMEMBASSY OTTAWA

AMEMBASSY REYKJAVIK

AMCONSUL PONTA DELGADA

UNCLAS STATE 170327

E.O. 11652: N/A

SUBJECT: JOINT NORTH SEA WAVE PROJECT

EF: (1) BONN 11669 (2) STATE 162778

BONN FOR SCIENCE ATTACHE

(1) THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA) PLANS TO SUPPORT E.A. ULIANA OF THE NAVAL RESEARCH LABORATORY (NRL), H.C. BLUME AND LINWOOD JONES OF NASA LANGLEY RESEARCH CENTER, AND J.P. HOLLINGER, OF NRL IN THE JOINT NORTH SEA WAVE PROJECT (JONSWAP-2) BASED IN GERMANY DURING THE PERIOD SEPT. 14-OCT. 1, 1973. THE GERMAN PRINCIPAL INVESTIGATOR IS PROF. CARL RICHTER OF THE UNIVERSITY OF HAMBURG AND THE GERMAN HYDROGRAPHIC INSTITUTE (DHI). SCIENTIFIC OBJECTIVE IS TO USE SEA SURFACE MEASUREMENTS FROM JONSWAP AND SIMULTANEOUS OBSERVATIONS WITH NARROW PULSE RADAR TO ESTABLISH CRITERIA FOR UNCLASSIFIED

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RELATING REMOTELY SENSED DATA WITH SEA SURFACE

CONDITIONS, TO EVALUATE PARAMETERS OF S-BAND RADIOMETRY SIGNATURE OF SEA SURFACE AND TO EVALUATE MICROWAVE SIGNATURE OF THE SEA AND TO INVESTIGATE THE RELATIONSHIP BETWEEN RADAR BACK SCATTERS SIGNALS AND SEA STATE.

(2) NASA HAS WRITTEN MINISTRY FOR RESEARCH AND TECHNOLOGY (BMFT) TO OBTAIN AGREEMENT FOR COOPERATIVE EXPERIMENT.

(3) NASA PLANS TO SEND TO GERMANY INSTRUMENTED C-54 AIRCRAFT, NASA 427, ARRIVING GERMANY SEPT. 14, 1973. FLIGHT PLAN IS DESCRIBED BELOW.

(4) NASA 427 WILL BE EQUIPPED WITH FOLLOWING RESEARCH INSTRUMENTATION:

SENSOR	MEASUREMENT
NARROW PULSE RADAR	SEA STATE

S-BAND RADIOMETER (W/LASER	EVALUATE S-BAND
PROFILOMETER & PHOTOGRAPHIC	RADIOMETER SIGNATURE
K-BAND RADIOMETER (DICKE CRYSTAL	MICROWAVE SIGNATURE
MIXER SUPERHETERODYNE RECEIVER)	

5. ALSO PLANNED TO SEND ONE NASA RADAR SCATTEROMETER TO A SELECTED NORTH SEA SURFACE SITE. THIS EQUIPMENT WILL BE SHIPPED BY COMMERCIAL FROM NASA LANGLEY RESEARCH CENTER TO THE DHI WHICH IS PREPARED TO RECEIVE IT.

(6) FOLLOWING PERSONNEL WILL ARRIVE GERMANY BY COMMERCIAL AIRCRAFT:

NAME	P.O. NO.	FUNCTION	AGENCY
R.L. NAVARRO	Y1166001	PROJ. ENGR.	NASA
H.C. BLUME	APPLIED FOR	INVESTIGATOR	NASA
J.P. HOLLINGER	APPLIED FOR	INVESTIGATOR	NRL
D. HAMMOND	Y1105745	ENGINEER	NRL
E.A. ULIANA	APPLIED FOR	ENGINEER	NRL
J. GRAIG	APPLIED FOR	TECHNICIAN	NRL

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J.W. JOHNSON	APPLIED FOR	ENGINEER	NASA
A.E. CROSS	APPLIED FOR	TECHNICIAN	NASA
C. COX	APPLIED FOR	TECHNICIAN	NASA

(7) PROPOSED ITINERARY FOR NASA 427:

DEPART	ARRIVE
WED., SEPT. 12 - WALLOPS STATION	GANDER, NFLD.

THU., SEPT. 13 - GANDER NFDL LAJES, AZORES
FRI., SEPT. 14 - LAJEX, AZORES LECK, GER.
FRI., OCT. 1 - LECK ICE. KEFLAVIK
SAT., KEFLAVIK, ICE. GOOSE BAY LBDR
SUN., OCT. 3 - GOOSE BAY, LBDR WALLOPS

(8) TENTATIVE CREW AND PASSENGER MANIFEST - NASA 427

NAME	P.P. NO.	FUNCTION	AGENCY
E.J. WALSH	Y 1166003	PROGRAM MANAGER	NASA
R.L. TAYLOR	APPLIED FOR	PHOTOGRAPHER	NASA
C. FOLZ	APPLIED FOR	CO-PILOT-NAVIGATOR	LOCKHEED
R.R. ROEHREN	D 2229323	AIRCRAFT COMMANDER	LOCKHEED
C. SWETT	Z 1122526	CO-PILOT	LOCKHEED
D.D. DOERFLEIN	B. 582586	FLIGHT ENGINEER	LOCKHEED
J.L. WHITE	D 2230346	AVIONICS TECHNICIAN	LOCKHEED
F.M. SMULLIN, JR.	D 2229311	AIRCRAFT MECHANIC	LOCKHEED
P.P. MASON, JR.	D 2228365	AIRCRAFT MECHANIC	LOCKHEED

(9) ALL RESEARCH AND FERRY FLIGHTS WILL BE CONDUCTED IN ACCORDANCE WITH PROCEDURE AND REGULATIONS OF FEDERAL AVIATION ADMINISTRATION AND ICAO. ADDRESSEE POSTS ARE REQUESTED TO OBTAIN LANDING AND OVER-FLIGHT APPROVAL AS INDICATED.

(10) JONSWAP OPERATIONS PLANNED SEPT. 17-30 DURING WHICH AIR SPACES ED/D-41, ED/D-46 AND EK/D-70 WILL HAVE TO BE PENETRATED BY NASA 427. FLIGHT CLEARANCE FOR THESE OPERATIONS WILL BE NECESSARY. DETAILS ARE BEING POUCHED SEPARATELY.

(11) FOR LISBON- PLEASE OBTAIN CLEARANCES FOR LAJES AS UNCLASSIFIED

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: n/a
Control Number: n/a
Copy: SINGLE
Draft Date: 27 AUG 1973
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1973STATE170327
Document Source: CORE
Document Unique ID: 00
Drafter: NASA//LEJONES/CCB:SCI/XAM
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Film Number: n/a
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1973/newtext/t19730813/aaaaaixf.tel
Line Count: 155
Locator: TEXT ON-LINE
Office: ORIGIN NASA
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators:
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Review Action: RELEASED, APPROVED
Review Authority: boyleja
Review Comment: n/a
Review Content Flags:
Review Date: 19 SEP 2001
Review Event:
Review Exemptions: n/a
Review History: RELEASED <19-Sep-2001 by elbezefj>; APPROVED <25-Jan-2002 by boyleja>
Review Markings:

Declassified/Released
US Department of State
EO Systematic Review
30 JUN 2005

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: JOINT NORTH SEA WAVE PROJECT EF: (1) BONN 11669 (2) STATE 162778
TAGS: TPHY
To: LISBON BONN
Type: TE
Markings: Declassified/Released US Department of State EO Systematic Review 30 JUN 2005